

PURCHASE DESCRIPTION

NOISE GENERATOR (150 KHZ TO 10 MHZ) **GE3MN-A**

- 1.0 GENERAL This procurement requires a self-contained, battery operated, portable noisegenerator capable of generating RF noise radiation over the frequency range of 150 KHz to 10 MHz.
- 2.0 CLASSIFICATION The equipment described herein shall meet the requirements of MIL-T-28800(), Type III, Class 5, Style E, Color R for Navy shipboard, submarine, and shore applications with the following exceptions:
 - a. The non-operating temperature requirement is limited to the range of - 40°C to + 70°C.
 - b. The relative humidity requirement is limited to 95% noncondensating.
 - c. The operating and non-operating altitude requirements are not invoked.
 - d. The EMI requirement is not invoked.
 - e. The warm-up time is extended to one hour.
- 3.0 OPERATIONAL REQUIREMENTS The equipment shall be capable of generating signals within the parameters and accuracies specified herein.
 - 3.1 Frequency Range: At least 150 KHz to 10 MHz.
 - 3.2 Maximum effective distance: 9.14 m (30 feet).
- 4.0 GENERAL REQUIREMENTS
 - 4.1 Power: internal battery, (average life - 50 hours).
 - 4.2 Calibration Interval: The calibration interval shall be at least 12 months minimum. The equipment shall be within all accuracy requirements specified herein, with a 72% of greater confidence factor following a calibration interval of 12 months.
 - 4.3 Dimensions: The total volume of the unit shall nominally not exceed 432 in³ (7,076 cm³).
 - 4.4 Weight: The total weight of the unit shall not exceed 10 lbs. (4.5 kg).